

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
24 February 2005 (24.02.2005)

PCT

(10) International Publication Number
WO 2005/017162 A2

(51) International Patent Classification⁷: C12N 15/63

(21) International Application Number:
PCT/EP2004/009067

(22) International Filing Date: 12 August 2004 (12.08.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/494,914 13 August 2003 (13.08.2003) US

(71) Applicant (for all designated States except US): SANDOZ
AG [CH/CH]; Lichtstrasse 35, CH-4056 Basel (CH).

(72) Inventors; and

(75) Inventors/Applicants (for US only): WINDISCH, Jörg
[AT/AT]; Lände 95, A-6233 Kramsach (AT). SCHOER-
GENDORFER, Kurt [AT/AT]; Waldweg 12, A-6336
Langkampfen (AT). PALMA, Norbert [IT/AT]; Kleinsoell
127, A-6252 Breitenbach a. Inn (AT). KNAUSEDER,
Franz [AT/AT]; Oberndorf 306, A-6322 Kirchbichl
(AT). BOEHLING, Hans [AT/AT]; Unterer Stadtplatz 6,
A-6330 Kufstein (AT).

(74) Agent: GRUBB, Philip; Novartis AG, Corporate Intellec-
tual Property, CH-4002 Basel (CH).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

Published:

- without international search report and to be republished
upon receipt of that report
- with (an) indication(s) in relation to deposited biological
material furnished under Rule 13bis separately from the
description

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: EXPRESSION VECTORS, TRANSFORMED HOST CELLS AND FERMENTATION PROCESS FOR THE PRO-
DUCTION OF RECOMBINANT POLYPEPTIDES

(57) Abstract: The present invention relates to an expression vector, comprising a polynucleotide encoding a fusion protein compris-
ing the signal sequence of the gac gene of Pseudomonas diminuta and a polypeptide of interest, a prokaryotic host cell transformed
with such an expression vector and a process for production of a polypeptide of interest using said host cell and said expression
vector.

WO 2005/017162 A2